

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport
1001 Westbrook Street
Portland, Maine 04102

Date:	29 December 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67887	28
67888	28
67891	28
67892	28
67895	28
67896	28

Remarks:

Copy To:
Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
Cliff Takara: clifford_takara@gensler.com
Lacey Fogg: Lacey.Fogg@amec.com
Mike Fusco: mfusco@tcco.com
Shaun Winner: swinner@tcco.com
Phil Coleman: pcoleman@tcco.com
Elizabeth O'Toole: eotoole@tcco.com
TMM@portlandmaine.gov
ldobson@portlandmaine.gov
rdixon@tcco.com
gemitchell@tcco.com
Remi Delcourt (remi@auburnconcrete.com)
Jeff Evans, Amec (jeff.evans@amec.com)

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

R. W. GILLESPIE & ASSOCIATES, INC.
 86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
 200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Stairway
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 29 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time		
Load No.	1	Slump (in) ASTM C 143	5		Batched @	6:36
Ticket No.	179611	Air (°F)	46		Arrived @	7:00
Truck No.	97	Concrete (°F) ASTM C 1064	69		Total Time	85
Cubic Yds.	5	Air Content (%) ASTM C 231	3.0			

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Dec-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67886	08-Dec-10	4.010	12.63	7	49,280	3900	5
67887	29-Dec-10	4.011	12.64	28	64,260	5080	2
67888	29-Dec-10	4.011	12.64	28	64,120	5070	5
67889	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



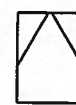
Columnar
3



Shear
4



Side Fracture
5

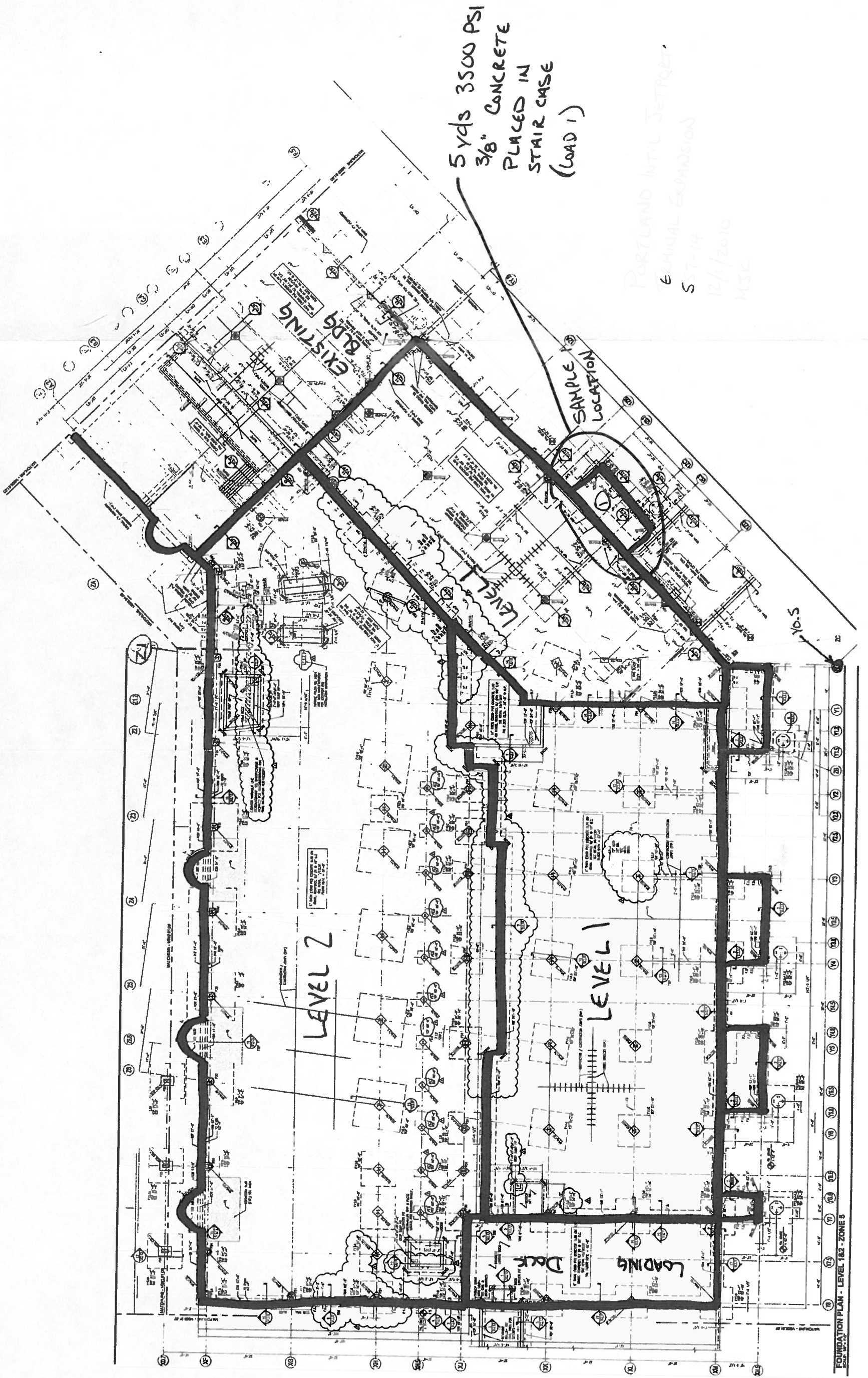


Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
6	179627	98	5	--	--	--	--	--

Remarks: Curing Temps: High 77°, Low 65°
 Two loads of this mix for a total of 10 cubic yards.

Checked by: Matthew T. Grady
 Matthew T. Grady, Manager of MTS



5 yds 3500 PSI
 3/8" CONCRETE
 PLACED IN
 STAIR CASE
 (LOAD 1)

POK-LAND JETPORT
 E. J. HALL
 5-27-14
 12/1/2010
 MSE

FOUNDATION PLAN - LEVEL 182 - ZONE B

CONC. 1/3 (load 1)

R. W. GILLESPIE & ASSOCIATES, INC.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
 200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244
CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: 4th Level Wall
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: DEC 29 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich			
Load No.	2	Slump (in) ASTM C 143	5.50	Time		
Ticket No.	179617	Air (°F)	49		Batched @	8:27
Truck No.	118	Concrete (°F) ASTM C 1064	66		Arrived @	8:45
Cubic Yds.	10	Air Content (%) ASTM C 231	4.3		Total Time	55

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Dec-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67890	08-Dec-10	4.010	12.63	7	41,820	3310	2
67891	29-Dec-10	4.011	12.64	28	72,120	5710	2
67892	29-Dec-10	4.011	12.64	28	76,440	6050	2
67893	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



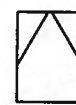
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
3	179619	97	5	--	--	--	--	45

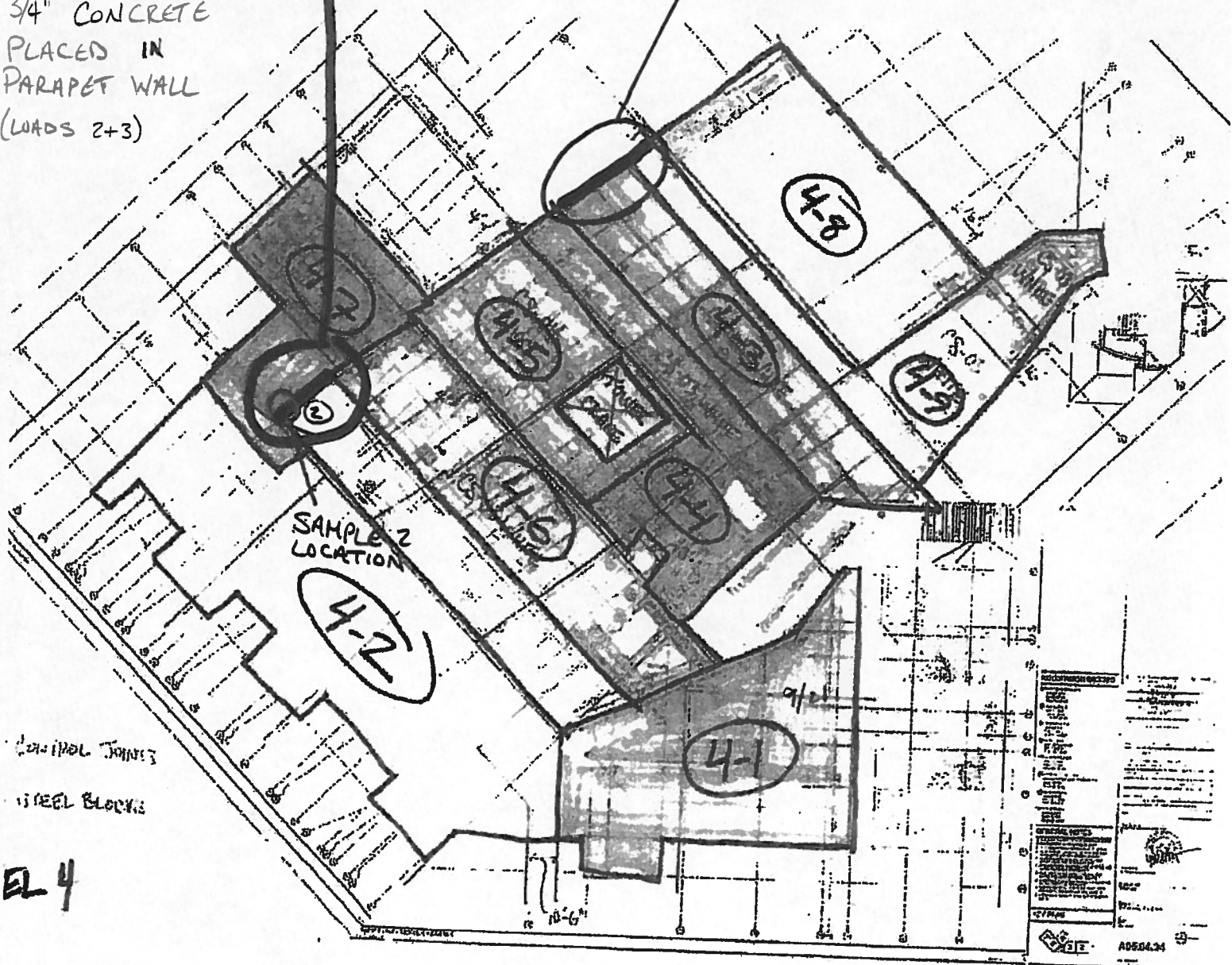
Remarks: Curing Temps: High 62°, Low 50°
 Two loads of this mix for a total of 15 cubic yards.

Checked by: *Matthew T. Grady*
 For Matthew T. Grady, Manager of MTS

CONC.

15 yds 3000 PSI
3/4" CONCRETE
PLACED IN
PARAPET WALL
(LOADS 2+3)

5 yds 3500 PSI
3/8" CONCRETE
PLACED IN CURBING
(LOAD 6)



CONTROL JOINTS
STEEL BLOCKS

EL 4

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
12/1/2010
MSK

(load 2)
CONC. 2/3

R. W. GILLESPIE & ASSOCIATES, INC.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
 200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 2% Pozzutec 20+
Placement Location: Stairway Penthouses
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 29 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	4	Slump (in) ASTM C 143	6.5	Batched @	10:37
Ticket No.	179623	Air (°F)	48	Arrived @	10:55
Truck No.	99	Concrete (°F) ASTM C 1064	68	Total Time	40
Cubic Yds.	7.5	Air Content (%) ASTM C 231	3.75		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 02-Dec-10
Condition of Cylinders: Good

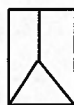
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67894	08-Dec-10	4.010	12.63	7	47,780	3780	2
67895	29-Dec-10	4.011	12.64	28	71,620	5670	2
67896	29-Dec-10	4.011	12.64	28	70,140	5550	2
67897	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



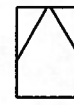
Columnar
3



Shear
4



Side Fracture
5



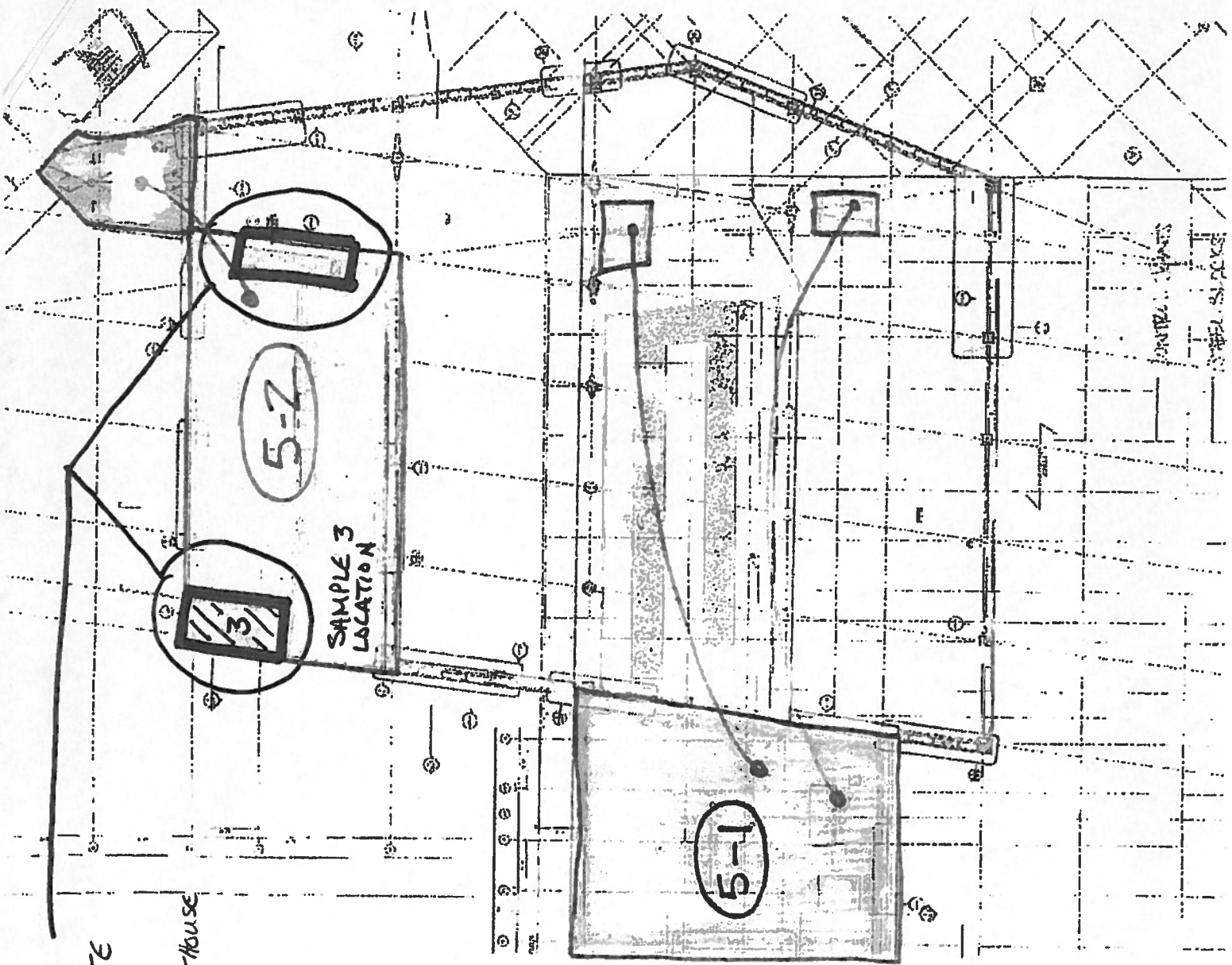
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
5	179624	97	7.5	--	--	--	--	40

Remarks: Curing Temps: High 62°, Low 50°
 Lightweight Concrete Unit Weight: 122.4 PCF
 Two loads of this mix for a total of 15 cubic yards.

Checked by: Matthew T. Grady
 FOR Matthew T. Grady, Manager of MTS

3500 PSI 3/8"
LT. WT. CONCRETE
PLACED AS
STAIRWELL PENTHOUSE
SLABS ON DECK



Level 5

PORTLAND INT'L TETPOT
TERMINAL EXPANSION
557-14
12/1/2010
MSK

CONC. 3/3 (load 4)